

Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

### **Purchasing Receipts**

PO039923 TWM001- VU	PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Agin Days
Tube .750 X .125W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ- A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR	PO039923		1	1	Net 30		OD x 0.65*** Thick receive ft AS PER MATERIAL 2024-T3 ROUND TUBING, MAT'L SPEC'S				204	5/28/2018	204		S073727 <b>9</b>	Stock	5/23/2018	\$ 7.50 / ft	
			2				Tube .750 X .125W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ- A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR				12		12		\$073728	Stock	5/23/2018	\$ 9.20 / ft	

Plex 5/23/2018 2:11 PM Dart.Dubois.Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

**PURCHASE ORDER** PO039923

MAY 1 6 2018

Tel (613) 632-5200

Supplier:

TWM001-VU TW Metals

PO Box 933014

Altanta, GA 31193-3014 USA

Phone: 585 768 5600 Fax: 585 768 5601

Ship To:

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada Phone: 613-632-5200 PO No:

PO039923

PO Date:

5/16/18 5/25/18

Due Date: Purchase Order

Revision:

**Revision Date:** 

Ship-To Contact:

Phone:

Via:

Ground

Net 30

Freight Terms:

Pymt Terms:

**Special Comments:** 

DAS 11 9-89

> DAS 11

> > 9-89

Items

Line Item		Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M2024T3T1.000W.065		2024T3 Tubing 1" OD x 0.65" Thick receive ft AS PER MATERIAL 2024- T3 ROUND TUBING, MAT'L SPEC'S AMS-QQ- A-250/4		5/25/18	204 ft	0/h 204	) 204 ft	\$7.50/ <del>R</del> MAY 2 3 2	\$1,530.00
2	M6061T6T0.750W.125		6061-T6 Round Tube .750 X .125W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A- 225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft	Firmed	5/25/18	12 pcs	0 pcs	12 pcs	\$9.20/pcs	\$110.40

**Order Notes** 

Plex 5/16/18 1:42 PM dart.lavoie.chanta

Grand Total: \$1,640.40

#### **Order Notes**

**Procurement Quality Clauses** 

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="https://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.

Plex 5/16/18 1:42 PM dart.lavoie.chantal





## **Packing** Slip

ORDER NO.: 80933889 FROM: CHIC

CUST NUMBER: 1203820 NET WGT:

1270 ABERDEEN ST

HAWKESBURY ON

CN K6A 1K7

SOLD TO:

CANADA

DART AEROSPACE LTD

50.171 REQ.DATE: 05/25/18 CONFIRMED

SHIP TO:

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

DONNA SMALLEY

SHIP BY:

05/18/18

NET 30 DAYS

VIA: COMMON CARRIER FREIGHT: PREPAID

CUST ORD NO.: SHIPPING POINT

RELEASE NO.:

RECEIVING PHONE:

I-INE 1.NE ITEM DESCRIPTION 0001 43260 D2024-T3 1 OD X .065 WA

WIDTH

LENGTH 12 FT ML

Expiration Date:

ORD QTY

SHIPPED QTY

204.000 FT

INVOICE QTY 204.000 FT

204.000 FT

46.708

1 TEST REPORTS R ... IRED \*\*

\*\* 1 CERTS REQUIRED \*\*

ECCN: EAR99 Export License: NLR Expire PO: 49368273 HT: F002414570001 PC: 17 CUSTOMER QTY: MLT: UNITED STATES MEG: UNITED STATES SLB/CL: 223073

UCI

0002 42891 D6061-T6 3/4 OD X .125 WA

SHIPPED QTY

WT

CLN# ORD QTY 12.000 FT

INVOICE QTY 12.000 FT

12.000 FT

3.463

12 FT ML

\*\* 1 TEST REPORTS REQUIRED \*\*

\*\* 1 CERTS REQUIRED \*\*

Expiration Date: 0/00/00

ECCN: EAR99 Export License: NLR Expiration PO: 49380600 WT: F002584980001 PC: 1 CUSTOMER QTY: MLT: UNITED STATES MEG: UNITED STATES

SLB/CL:224805

MOU

TOTAL TAKEN MEDICAL LAN BROKERS KUEHNE AND NAGEL LTD

AREA TYPE OF PKG

---- PACK INFO --

LENGTH HGHT

YRC

RT 000-

REDDICRATE

PKGS GRS WEIGHT WIDTH 1.000 74.000 4.0000

150.0000

1.000

BY: MG

74.000

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE THANK YOU FOR THIS ORDER PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL REVIEW.

http://www.twmetals.com/invoice-terms.html





# **Packing** Slip

ORDER NO.: 80933889

FROM: CHIC

PAGE

CUST NUMBER: 1203820 NET WGT:

50.171 REQ.DATE: 05/25/18 CONFIRMED SHIP TO:

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON ONTARIO CANADA

CN K6A 1K7

SOLD TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKESBURY ON

CANADA

CN K6A 1K7

DONNA SMALLEY

NET 30 DAYS

PO039923

SHIPPING POINT

COMMON CARRIER

SHIP BY:

235 TUBEWAY

CAROL STREAM

05/18/18

IL 60188

SALESPERSON: TERMS:

F.O.B.:

CUST ORD NO .:

VIA:

FRÉIGHT:

PREPAID RELEASE NO.:

RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

# "CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing Marita & Salemo material"

Authorized Test Report Clerk

5/18/18 Date:

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

# **MATERIAL RECEIPT INSPECTION FORM**

a ...

MATERIAL: M60	61to	10.79 2018	OW. 125	PO / BATCI	н no.: <i>Q39</i>	723/507
MATERIAL CERT REC'D:	VIES		THI	CKNESS ORDE	RED: 11/	175
QUANTITY RECEIVED:	171			CKNESS RECE		
QUANTITY INSPECTED:	121					157
	12			ET SIZE ORDE	-	1/2
QUANTITY REJECTED:	0		_ SHE	ET SIZE RECE	IVED: //	1
	γ					
DESCRIPTION	NCR					
DESCRIPTION	(Chec			COMMEN	TS	
CUREAGE BANK OF	Y/N)					
SURFACE DAMAGE CORRECT FINISH	Y)(	4				
CORRECT FINISH						
CORRECT GRAIN DIRECTION	-					
CORRECT MATERIAL PER M-DRAWING	-	1 Ams	1200			
CORRECT THICKNESS		TIMO	7082			
PHOTO REQUIRED	Y	0.00				
CORRECT REF # TO LINK CERT	-	Hank	H Paga	158498	don	
CORRECT MATERIAL IDENTFICATION		1	# 1000	10/10	0001	
CORRECT M# ON THE MATERIAL		1				
DOES THIS MATERIAL REQUIRE						
ENGINEERING SIGN OFF	Y	D)				
DOES THIS REQUIRE AN		3				
EXTRUSION REPORT	YI	1)				
CUT SAMPLE PIECE					SS CHECK.	
	T	HRC	SULTS BELOV	DUR A	DUBD	LWEDGTED
TYPE OF MATERIAL	-	TIIVO	HIND	DUKA	DUR D	WEBSTER
SIZE OF TEST SAMPLE						
HARDNESS / DUROMETER READIN	ug H					
		rs located in	the Quality Offic	ie .		
QC 18 INSPECTION				ENGINEER	ING SIGNOF	F (if required)
INSPECTED BYDAS			SIGN	NED OFF BY:		
DATE: 289 MAY 2 3	2019			DATE .		
9 89 MR1 2 c	64110			DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ELEASE 2013 -07-02

	F.T.	
— p.ppp		

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WW-T-700/8
OR QQ-A-200/8 OR QQ-A-225/8
OR AMS 4080 OR AMS 4082 OR A

M6081T6TID.DDDIWIT.TTT

PART NUMBER:

WHERE "D.DDD" = OD IN INCHES "T.TTT" = WALL THICKNESS

EG. 3/8" OD X 0.058 WALL = M6061T6T0.375W0.058

MATERIAL TOLERANCE:

PER ANSI H35.2 🔼

REV. C SHEET 1 OF 1 SCALE 13.08.12 AJS COMPLETE REFORMAT, ADDED T8610 & T8511,
ADDED AMS 4083, ASTM 8210 & ASTM 8241
ADDED MATERIAL TOLERANCE
ADD QQ-A-2008 & QQ-A-2568
NEW ISSUE AUS

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PURCHASE MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING

SPECIFICATION:





## **CERTIFIED TEST REPORT**

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER. AZ 85226

CUSTOMER PO NUMBER:	USTOMER PO NUMBER: CUSTOMER PART NUMBER:				PRODUCT DESCRIPTION:		
M49380600-1					Drawn Seamless Tu		
KAISER ORDER NUMBER:	AISER ORDER NUMBER: LINE ITEM: SHIP D.		SHIP DATE:		KAISER LOT NUMBER	ALKOY:	TEMPER:
224805	001		01/02/2018		F00258498	6061	T6
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:		DIAM/DAF/THKNS:	WIDTH:	LENGTH:
1798.000 LB	518.000 F	PCS 228002					12.000 FT
SHIP TO:					SOLD TO:		
TW METALS INC 235 WEST TUBEW CAROL STREAM, I	/AY DRIVE L 60188 U	: SA			TW METALS INC 760 CONSTITUTIO SUITE 204 EXTON, PA 19341		

# Actual Physical Properties

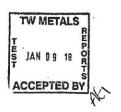
REFERENCE	DASH# SAME	LE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONSIACS	BEND
		1	46.4	40.1	22.0	N/A	N/A	N/A
F00258498	0001	1	47.6	42.9	20.0	N/A	N/A	N/A
F00258498	0003	1	47.5	42.8	19.0	N/A	N/A	N/A

# Chemical Composition (wt%), Aluminum Remainder

								m .	Pb	Bi	Zr	T'a	Tot
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	PD	PT	211.	Ha	
Maximum Minimum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA NA	NA ·			0.15
Minimum D20791	.61	.29	.22	.05	1.01	.07	.06	.03	.00	.00	.00	.01	.02

## Applicable Requirements:

Description: OD: 0.7500"; Wall: 0.1250"; Round @ AMS4082P AMS-WW-T-700/6C ASTM B210-12 WW-T-700/6F WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS4082P, WAS NOT OILED. This Product Complies to FAR BAA, DFARS BAA, FAR TAA COMPLIES TO DIN EN 10204 JAN 2005 No Weld Repair. Mercury Free.



#### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5 TRADE AGREEMENTS).

Plant Serial: 00027001

Kaiser Order Number: 224805

Line Item: 001



# CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER, AZ 85226

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms &conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager



TW METALS JAN 09 18

Plant Serial: 00027001 Kaiser Order Number: 224805

Line Item: 001

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MACO DATE: MA	24t	3/1	000W	065	PO / BATCH	NO.: <u>039</u>	923/5073
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	1.65	, ,		THIC SHEE	KNESS ORDEF KNESS RECEIV ET SIZE ORDEF ET SIZE RECEIV	VED: 1/	065
DESCRIPTION	(Cr	CR neck (N)			COMMENT	-S	
SURFACE DAMAGE	Y	I(N)	<del>}</del>		- W- 98 - M9		
CORRECT FINISH	R	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	(Y)	И	1				
CORRECT MATERIAL PER M-DRAWING	(Y/	N	Hms	9008			
CORRECT THICKNESS	Q	N	7				
PHOTO REQUIRED	(A)	(N)	1105/	the Pana	111115	681	
CORRECT REF # TO LINK CERT	1	N	HOT4	7 1001	414570	00/	
CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL	A	N	-			-000	
DOES THIS MATERIAL REQUIRE	10	114					
ENGINEERING SIGN OFF	Y	0					
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	)				
CUT SAMPLE PIEC						SS CHECK.	
		REC		SULTS BELOV		DUR D	WEBSTER
TYPE OF MATERIAL		-	HRC	HRB	DUR A	DORD	WEBSIER
TYPE OF MATERIAL SIZE OF TEST SAMPLE		$\vdash$					<del> </del>
HARDNESS / DUROMETER READ	ING	-					
TANDINESS / DONOMETER READ		esters	s located in	the Quality Office	ce	L	
	-				<del></del>		
					ENGINEER		//
QC 18 INSPECTION					ENGINEER	RING SIGNOR	FF (if required)
				010	NED OFF DV		
INSPECTED BY:				SIG	NED OFF BY:		100
DATE: 11 MAY	23	2018			DATE:		1

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

FIELEASED
2018 MAY 17 4
EEN 18-510

A	NEW ISSUE; REF. CAR18-219	REF. CAR	18-219	R.	18.01.16
REV.			DESCRIPTION	ВУ	DATE
DESIGN		RF	DART AEROSPACE LTD	ACE 11	٥
DRAWN		RF.	HAWKESBURY, ONTARIO, CANADA	IO, CANAL	A.
CHECKED		NS NS	DRAWING NO.		REV. A
MFG. APPR.	PPR.	DD	M2024T3T		SHEET 1 OF 1
APPROVED	VED	E	TITLE		SCALE
DE APPR.	œ	Ch do	ср 40 2024-ТЗ TUBING		NTS
DATE	18.01.16	. 9	COPYRIGHT © 2018 BY DART AEROSPACE LTD COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT BY A DIS SUMMED TO THE LUMBED PERSON OFFICIAL PROPERTY OF COMMENCED TO NOT OTHER PROPECTS OF COMMENCED TO NOT OTHER PROPECTS.	AEROSPACE DON THE LUTTESS SATED TO ANY OTHER	CONGRESS HAT IT IS DR PERSON WITHOUT

PURCHASE MATERIAL: 2024-T3 SEAMLESS ALUMINUM TUBING SPECIFICATION: WW-T-700/3, AMS 4088 OR AMS-WW-T-700/3 DR ASTM B210

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SPECIFICATION CONTROL DRAWING

M2024T3T D.DDD W.TTT DIA. WALL

PART NUMBER:

WHERE "D.DDD" = DIAMETER IN INCHES & ".TTT" = WALL THICKNESS IN INCHES

EG. 5/8" TUBING WITH 0.049" WALL = M2024T3T0.625W.049

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ØD.DDD

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### **CERTIFIED TEST REPORT**

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER AZ 85226

CUSTOMER PO NUMBER	₹.	CUSTOMER	PART NUMBER:		PRODUCT DESCRIPTION:					
M49368273-1		43260			Drawn Seamless Tu	/		$\bigcirc$		
KAISER ORDER NUMBE	R: LINE ITEM:	L	SHIP DATE:	1	KAISER LOT NUMBER	ALLOY:	1	TEMPER:		
223073	001		05/26/2017		1,00	2024		T3	_	
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:		DIAM/DAF/THKNS:	WIDTH:	X	LENGTH:	1 W	
769.000 LB	LB 280.000 PCS 225426		\	12.000 FT						
SHIP TO:					SOLD TO:			3	<i>f</i>	
TW METALS INC 235 WEST TUBE CAROL STREAM	W METALS INC 35 WEST TUBEWAY DRIVE AROL STREAM, IL 60188 USA				TW METALS INC 760 CONSTITUTIO SUITE 204 EXTON, PA 19341					

## **Actual Physical Properties**

	DACUT CAMPIE	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND	
REFERENCE	DASH# SAMPLE#	015 (101)	110 (110-7	27.0	N/A	N/A	N/A	
F00241457	0001	71.1	49.5	27.0		N/A	A/M	
E00241457	0002 4 1	71.4	48.4	27.0	N/A	N/A	14/11	

# Chemical Composition (wt%), Aluminum Remainder

	C.i	Fe	Cu	Mn	Ма	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
LIMITS	Si					0 10	0.05	0.15	NA	NA	NA	0.05	0.15
Maximum	0.50	0.50	4.90	0.90	1.80	0.10	0.25	0.13	INT	7,479,5704		0.00	
Minimum	0.00	0.00	3.80	0.30	1.20	0.00	0.00	0.00	IVA	NA	0.1	0.00	0.00
D30132	11	17	4.66	.73	1.41	.02	.12	.03	.00	.00	.01	.01	. 02

# Applicable Requirements:

Description: OD: 1.0000"; Wall: 0.0650"; Round @ AMS4088K AMS-WW-T-700/3A ASTM B210-12
This Product Complies to FAR BAA, DFARS BAA, FAR TAA COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



## Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT SUPPLIES), DFARS BAA (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5 TRADE AGREEMENTS).

Plant Serial: 00025082

Kaiser Order Number: 223073

Line Item: 001



### CERTIFIED TEST RÉPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER, AZ 85226

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms &conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager

TW METALS ACCEPTED BY

Plant Serial: 00025082 Kaiser Order Number: 223073 Line Item: 001